

# PATENT COOPERATION TREATY

From the:  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 06 SEP 2004

To:

Griffith Hack  
GPO Box 4164  
SYDNEY NSW 2001

**PCT** **WIP** **PCT**

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year) **31 AUG 2004**

Applicant's or agent's file reference  
**FP19996/AH**

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
**PCT/AU2004/000883**

International filing date (day/month/year)  
**1 July 2004**

Priority date (day/month/year)  
**1 July 2003**

International Patent Classification (IPC) or both national classification and IPC  
**Int. Cl. <sup>7</sup> F24J 002/36,002/52,002/54**

Applicant  
**SOLAR HEAT AND POWER PTY LTD et al**

**1. This opinion contains indications relating to the following items:**

- |                                     |              |                                                                                                                                                                      |
|-------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the opinion                                                                                                                                                 |
| <input type="checkbox"/>            | Box No. II   | Priority                                                                                                                                                             |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability                                                                     |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention                                                                                                                                           |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited                                                                                                                                              |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application                                                                                                                     |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application                                                                                                                |

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

Name and mailing address of the IPEA/AU  
AUSTRALIAN PATENT OFFICE  
PO BOX 200, WODEN ACT 2606, AUSTRALIA  
E-mail address: pct@ipaustalia.gov.au  
Facsimile No. (02) 6285 3929

Authorized Officer  
**G. CARTER**  
Telephone No. (02) 6283 2154

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/000883

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

**PCT/AU2004/000883**

**Box No. V**      **Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims 3-15	YES
	Claims 1-2	NO
Inventive step (IS)	Claims	YES
	Claims 1-15	NO
Industrial applicability (IA)	Claims 1-15	YES
	Claims	NO

**2. Citations and explanations:**

US 4111184=D1

US 4106485=D2

US 787145=D3

**NOVELTY & INVENTIVE STEP**

The invention as claimed in claim 1 is directed towards a carrier structure with a frame with hoop like end members between which the frame extends and support members which accommodate turning of the carrier structure about an axis of rotation which is coincident with a longitudinal axis of the reflector element.

D1 discloses all the essential features of claim 1. Attention is drawn to wheels 35,38 (hoop like end members) which accommodate turning of the carrier about an axis of rotation coincident with a longitudinal axis of the reflector element. (see fig 1 and the description).

D2 discloses all the features of claim 1 except the hoop like end members but instead uses a sector gear (30) which functions in the same way as the hoop members.

D3 discloses all the features of claim 1 except the hoop like end members but instead uses a hoop like end member (wheel 31) as one end member and a sliding block (13) as the other end member. These function in the same way as the hoop like end members.

The features of the appendant claims are either disclosed in the citations or do not add an inventive step.